

# इंटरनेट

# मानक

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IS 5286 (2005): Alcoholic Drinks - Vodka [FAD 14: Drinks and Carbonated Beverages]



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“Knowledge is such a treasure which cannot be stolen”



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भारतीय मानक  
एल्कोहलीय पेय — वोदका — विशिष्टि  
( दूसरा पुनरीक्षण )

*Indian Standard*  
ALCOHOLIC DRINKS — VODKA — SPECIFICATION  
( *Second Revision* )

ICS 67.160.10

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**BUREAU OF INDIAN STANDARDS**  
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG  
NEW DELHI 110002

## FOREWORD

This Indian Standard (Second Revision) was adopted by the Bureau of Indian Standards, after the draft finalized by the Drinks and Carbonated Beverages Sectional Committee had been approved by the Food and Agriculture Division Council.

Vodka is an alcoholic beverage possessing the distinctive aroma and taste characteristic of Vodka with or without colour/flavour.

This standard was first published in 1969 and subsequently revised in 1988.

The present revision has been taken up in order to update the standard in the light of current industrial and trade practices. The requirements of various characteristics have been modified.

In the preparation of this standard, due consideration has been given to the (a) *Prevention of Food Adulteration Act*, 1954 and the Rules framed thereunder; (b) *Standards of Weights and Measures (Packaged Commodities) Rules*, 1977; and (c) *State Excise Duty Rules* which permit the withdrawal of duty free samples for testing. It is recommended that sample for testing by Bureau of Indian Standards, whenever called for, may also be exempted from excise duty. The standard is subject to restrictions imposed under these Rules, wherever applicable.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**AMENDMENT NO. 1 JUNE 2010**  
**TO**  
**IS 5286 : 2005 ALCOHOLIC DRINKS — VODKA —**  
**SPECIFICATION**

*( Second Revision )*

[Page 2, *clause 9.1(f)*] — Substitute ‘Net quantity; and’ *for* ‘Net volume in ml or cl; and’.

(FAD 14)

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Reprography Unit, BIS, New Delhi, India

# *Indian Standard*

## ALCOHOLIC DRINKS — VODKA — SPECIFICATION (*Second Revision*)

### 1 SCOPE

This standard prescribes the requirements and the methods of sampling and test for Vodka.

### 2 REFERENCES

The standards listed in Annex A contain provisions, which through reference in this text, constitute provision of this standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated in Annex A.

### 3 TERMINOLOGY

For the purpose of this standard, definitions given in IS 6749 shall apply.

### 4 TYPES

4.1 There shall be two types of Vodkas designated as follows:

- a) Vodka, and
- b) Premix Vodka.

#### 4.1.1 Vodka

Vodka shall be the alcoholic beverage possessing the distinctive aroma and taste characteristic of Vodka with or without colour/flavour. It shall be the distilled alcoholic beverage made from neutral spirit conforming to IS 6613 which may be obtained from molasses, fermented grain or any other source of fermentable carbohydrates; or mixture of both.

#### 4.1.2 Premix Vodka

Premix Vodka shall be alcoholic beverage made out of Vodka (*see* 4.1.1) and flavourings, with or without colour and with or without sugar.

### 5 HYGIENIC CONDITIONS

Vodkas shall be manufactured under hygienic conditions (*see* IS 14348).

### 6 WATER QUALITY

Water conforming to IS 14543 or IS 13428 or IS 10500 with or without demineralization shall be used.

### 7 REQUIREMENTS

#### 7.1 Ethyl Alcohol Content

The ethyl alcohol content in Vodkas shall be in the range of 37 to 50 percent by volume (65° to 87.5° proof) or any other strength at 20°/20°C subject to approval by State Excise Authority, when determined according to the method prescribed in 4 of IS 3752. The tolerance limits for ethyl alcohol content shall be  $\pm 3.0$  percent of the declared strength. However, the ethyl alcohol content, its tolerance and method of measurement may vary according to the Rules and Regulations prescribed by the State Excise Authority.

#### 7.2 Freedom from Sedimentation and Harmful Ingredients

Vodkas shall be free from sediments, suspended matter and any ingredients injurious to health.

#### 7.3 Colour and Additives

Vodka (*see* 4.1.1) shall be free from any added colouring matter but may contain permitted food additives.

Natural or synthetic permitted food colours and/or additives as defined by PFA/Codex/JECFA may be used in premix Vodka (*see* 4.1.2). The limits shall be in accordance with EU guidelines.

#### 7.4 Taste and Aroma

Vodkas shall have the characteristic taste and aroma of Vodka. To enhance the characteristic flavour of the product, natural/natural extracts/nature identical/artificial flavour permitted under PFA/FEMA GRAS may be used.

#### 7.5 Appearance

Vodka (*see* 4.1.1) shall be clear and shall not develop any turbidity on being diluted with water. However, in case of premix Vodkas (*see* 4.1.2), due to presence of natural ingredients, may develop haziness on dilution with water.

7.6 Vodkas shall also comply with the requirements given in Table 1.

### 8 PACKING

Vodkas may be filled in glass bottles conforming to IS 1662 or plastic bottles made of PET conforming to

IS 14537 or any other suitable neutral or non-reactive food grade containers which does not affect its quality. The bottles or containers shall be properly sealed.

8.1 All new containers shall be cleaned according to 5.6.1 of IS 14348.

8.2 Used bottles shall be permitted if cleaned in a hygienic way by the manufacturer as per 5.6.1.1 of IS 14348.

## 9 MARKING

9.1 The following particulars shall be marked legibly and indelibly on the label/crown/body of the container:

- Name and type of the product;
- Ethyl alcohol contents, in percent, by volume;
- Batch or code number;
- Month and year of packing;
- Name and address of the manufacturer;
- Net volume in ml or cl; and
- Any other markings required under the

*Standards of Weights and Measures (Packaged Commodities), Rules 1977, and any other statutory requirement.*

NOTE — Geographical designation/names may be used on the label solely for the products originating from that geographical region.

## 9.2 BIS Certification Marking

The product may also be marked with the Standard Mark.

9.2.1 The use of the Standard Mark is governed by the provisions of *Bureau of Indian Standards Act, 1986* and the Rules and Regulations made thereunder. The details of conditions under which the license for the use of Standard Mark may be granted to manufacturers or producers may be obtained from Bureau of Indian Standards.

## 10 SAMPLING

Representative samples shall be drawn and conformity of the material in the lot to the requirements of this specification shall be determined in accordance with the method prescribed in IS 3753.

**Table 1 Requirements for Vodkas**  
(Clause 7.6)

Sl No.	Characteristic	Requirement		Method of Test, Ref to Clause No. of IS 3752
		Vodka	Premix Vodka	
(1)	(2)	(3)	(4)	(5)
i)	Residue on evaporation, percent (m/v), <i>Max</i>	2	25	5
ii)	Volatile acids as acetic acid (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	10	10	8
iii)	Esters as ethyl acetate (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	50	100	10
iv)	Higher alcohols as amyl alcohol (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	50	100	11
v)	Aldehydes as acetaldehyde (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	15	20	12
vi)	Furfural (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	12	12	13
vii)	Copper (as Cu), parts per million, <i>Max</i>	10	10	15
viii)	Methyl alcohol (expressed in terms of g/100 litres of absolute alcohol), <i>Max</i>	10	10	16



**ANNEX A***(Clause 2)***LIST OF REFERRED INDIAN STANDARDS**

<i>IS No.</i>	<i>Title</i>	<i>IS No.</i>	<i>Title</i>
1662 : 1974	Specification for glass liquor bottles ( <i>second revision</i> )	13428 : 1998	Packaged natural mineral water — Specification ( <i>first revision</i> )
3752 : 2005	Alcoholic drinks — Methods of test ( <i>second revision</i> )	14348 : 1996	Code for hygienic conditions for alcoholic beverage industry
3753 : 1984	Methods of sampling for alcoholic drinks ( <i>first revision</i> )	14537 : 1998	Polyethylene terephthalate (PET) bottles for packaging of alcohol liquors — Specification ( <i>first revision</i> )
6613 : 2002	Neutral spirit for alcoholic drinks — Specification ( <i>first revision</i> )		
6749 : 1972	Glossary of terms relating to alcohol (ethyl) industry and trade	14543 : 2004	Packaged drinking water (other than packaged natural mineral water) ( <i>first revision</i> )
10500 : 1991	Drinking water ( <i>first revision</i> )		

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Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Catalogue' and 'Standards: Monthly Additions'.

This Indian Standard has been developed from Doc: No. FAD 14 (1525).

### Amendments Issued Since Publication

[illegible]

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$$\begin{cases} 2832\ 9295, 2832\ 7858 \\ 2832\ 7891, 2832\ 7892 \end{cases}$$

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